

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings of claims in the application:

**Listing of Claims:**

1-15. (Canceled)

1           16. (New): An audio/video information processing apparatus comprising:  
2            a source to provide audio/visual information which constitutes a digital broadcast  
3            program, the audio/visual information having associated therewith attribute information  
4            representative of a plurality of attributes of the audio/visual information, wherein one or more  
5            digital broadcast programs can be received, each digital broadcast program having its associated  
6            attributes;

7            data storage to store the audio/visual information and its associated attribute  
8            information;

9            an index generator to produce index information based on the attribute  
10          information, the index generator being associated with retrieval criteria used to select a plurality  
11          of first attributes from the attribute information;

12          a code generator to produce executable code, the executable code incorporating  
13          the index information; and

14          a transmitter operative to transmit the executable code as a transmitted signal.

1           17. (New): The apparatus of claim 16 wherein the source is a storage medium  
2          having stored thereon the audio/visual information.

1           18. (New): The apparatus of claim 16 wherein the source is a receiver  
2          operative to receive a broadcast signal and to produce the audio/visual information from the  
3          broadcast signal.

1           19. (New): The apparatus of claim 16 wherein the index information includes  
2 one or more of a title of the broadcast program, a channel, a broadcast time, or genre  
3 information.

1           20. (New): The apparatus of claim 16 wherein the executable code is  
2 multiplexed with the audio/visual information to produce the transmitted signal.

1           21. (New): The apparatus of claim 16 wherein the transmitter is further  
2 operative to transmit the executable code in a first channel of the transmitted signal and to  
3 transmit the audio/visual information in a second channel of the transmitted signal.

1           22. (New): The apparatus of claim 16 wherein the code generator can  
2 selectively produce the executable code in one of a plurality of languages.

1           23. (New): The apparatus of claim 16 wherein the executable code is  
2 expressed in BML, HTML, ECMA, or JAVA language.

1           24. (New): The apparatus of claim 16 wherein the source comprises a  
2 receiver operative to receive a broadcast signal, a demodulator to demodulate a received signal,  
3 and a demultiplexer to demultiplex a demodulated signal.

1           25. (New): A display device to display audio/visual information comprising:  
2           a receiver to receive audio/visual information and executable code, the  
3           audio/visual information constituting a plurality of broadcast programs, the broadcast programs  
4           having associated therewith attribute information representative of a plurality of attributes of the  
5           audio/visual information, wherein the executable code includes data representative of index  
6           information, the index information comprising one or more of the attributes;  
7           an execution unit to process the executable code, whereby the index information  
8           can be presented to a user thus identifying one or more broadcast programs associated with the  
9           index information, whereby a user can select one of the one or more broadcast programs; and  
10          a display to display a selected one of the one or more broadcast programs.

1               26. (New): The device of claim 25 further comprising user interface to  
2 present said index information to said user.

1               27. (New): The device of claim 25 wherein the list of index information is  
2 displayed on the display.

1               28. (New): The device of claim 25 wherein the index information includes  
2 one or more of a title of the broadcast program, a channel, a broadcast time, or genre  
3 information.

1               29. (New): An audio/video information retrieval system comprising:  
2                a data store for storing a plurality of audio/visual content received from one or  
3 more source media, each content being associated with attribute information, each content  
4 representing a broadcast program that can be viewed by a user;  
5                an executable content retrieval program for retrieving a selected one of said  
6 audio/visual content from among said plurality of audio/visual content;  
7                an first generator to generate index information from the attribute information;  
8                a second generator to generate the executable content retrieval program, wherein  
9 the index information is incorporated in the executable content retrieval program; and  
10              a transmitter to transmit the audio/visual content, the attribute information, and  
11 the executable content retrieval program as a transmitted signal to a receiving device,  
12              wherein the receiving device comprises a receiver to receive the transmitted  
13 signal and a computing unit to execute the content retrieval program whereby a user can select a  
14 broadcast program for viewing.

1               30. (New): The device of claim 29 wherein the computing element comprises  
2 a processor and an interpreter program that executes on the processor, wherein the interpreter  
3 program executes the content retrieval program.